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[Signature] Jeff Lloyd, Patent Attorney

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PATENT & TRADEMARK OFFICE
Unit

Applicant : Henry Daniell
Serial No. : 10/500,351
Filed : June 25, 2004
Conf. No. : 2622
For : Expression of Antigens in Chloroplasts for Production of Improved Vaccines

Mail Stop Amendment
Commissioner for Patents
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16/38
INFORMATION DISCLOSURE STATEMENT
Examining Group 1638
Patent Application
Docket No. CHL-T107C3Z1
Serial No. 10/500,351

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §§1.97 AND 1.98

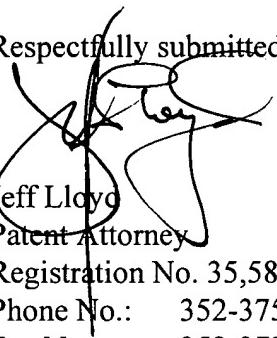
Sir:

The above-identified patent application was filed in the U.S. Patent Office as a national application under 35 USC §371. Applicant has been notified that a copy of the International Search Report has been made available in the national stage file as indicated on the Notice of Acceptance of the Application Under 35 USC 371 (Form PCT/DO/EO/903). The Notice does not indicate whether copies of the references cited in the International Search Report were received by the Patent Office. Therefore, copies of the references cited in the International Search Report are enclosed for the Examiner's convenience. In accordance with 37 CFR §1.56, Applicant hereby requests that the references cited in the International Search Report and listed on the attached form PTO/SB/08 be made of record and considered in the examination of the subject application.

Applicant has also listed on form PTO/SB/08 numerous references which have not been cited in the international search report. Copies of these documents are enclosed with this IDS. Applicant respectfully requests that these references be made of record and considered in the examination of the subject application.

Applicant respectfully asserts that the substantive provisions of 37 CFR §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,

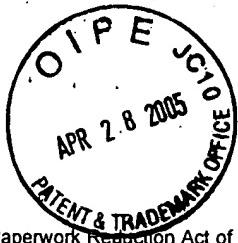


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JL/amh

Attachment: Form PTO/SB/08; copies of cited references.



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/500,351
Sheet	1	of	12	Filing Date	June 25, 2004
				First Named Inventor	Henry Daniell
				Art Unit	1638
				Examiner Name	
				Attorney Docket Number	CHL-T107C3Z1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
	F1	WO 00/03022 A3	01/20/2000	CALGENE LLC	ALL
	F2	WO 01/72959 A2 (CD-ROM)	10/04/2001	AUBURN UNIVERSITY	ALL
	F3	WO 99/10513 A1 (CD-ROM)	03/04/1999	AUBURN UNIVERSITY	ALL
	F4				
	F5				
	F6				
	F7				

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	2	of	12	Application Number	10/500,351
				Filing Date	June 25, 2004
				First Named Inventor	Henry Daniell
				Group Art Unit	1638
				Examiner Name	
				Attorney Docket Number	CHL-T107C3Z1

NON PATENT LITERATURE DOCUMENTS					
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	R1	AHUJA, N. et al. "Rapid Purification of Recombinant Anthrax-Protective Antigen under Nondenaturing Conditions" <i>Biochemical and Biophysical Research Communications</i> , 2001, pp. 6-11, Vol. 286.			
	R2	ALTPETER, F. et al. "Generation Of Large Numbers Of Independently Transformed Fertile Perennial Ryegrass (<i>Lolium perenne L.</i>) Plants Of Forage- And Turf Type Cultivars" <i>Mol. Breeding</i> , 2000, pp. 519-528, Vol. 6.			
	R3	ALTPETER, F. et al. "Integration And Expression Of The High-Molecular-Weight Gluteni Subunit 1Ax1 Gene Into Wheat" <i>Nat. Biotechnol.</i> , September 1996, pp. 1155-1159, Vol. 14, No. 9.			
	R4	ANDERSON, G. W. JR. et al. "Recombinant V Antigen Protects Mice against Pneumonic and Bubonic Plague Caused by F1-Capsule-Positive and -Negative Strains of <i>Yersinia pestis</i> " <i>Infection and Immunity</i> , November 1996, pp. 4580-4585, Vol. 64, No. 11.			
	R5	ANDREWS, G. P. et al. "Protective Efficacy of Recombinant <i>Yersinia</i> Outer Proteins against Bubonic Plague Caused by Encapsulated and Nonencapsulated <i>Yersinia pestis</i> " <i>Infection and Immunity</i> , March 1999, pp. 1533-1537, Vol. 67, No. 3.			
	R6	ARAKAWA, T. et al. "Expression of cholera toxin B subunit oligomers in transgenic potato plants" <i>Transgenic Research</i> , 1997, pp. 403-413, Vol. 6.			
	R7	BAILLIE, L. "The development of new vaccines against <i>Bacillus anthracis</i> " <i>Journal of Applied Microbiology</i> , 2001, pp. 609-613, Vol. 91.			
	R8	BECK L. R. et al. "A new long-acting injectable microcapsule system for the administration of progesterone" May 1979, pp. 545-551, Vol. 31, No. 5.			
	R9	BELYAKOV, I. M. et al. "Interplay of Cytokines and Adjuvants in the Regulation of Mucosal and Systemic HIV-Specific CTL" <i>The Journal of Immunology</i> , 2000, pp. 6454-6462, Vol. 165.			
	R10	BERNEMAN, A. et al. "The Specificity Patterns of Human Immunoglobulin G Antibodies in Serum Differ from Those in Autologous Secretions" <i>Infection and Immunity</i> , September 1998, pp. 4163-4168, Vol. 66, No. 9.			
	R11	BHATNAGAR, R. et al. "Calcium Is Required for the Expression of Anthrax Lethal Toxin Activity in the Macrophagelike Cell Line J774A.1" <i>Infection and Immunity</i> , July 1989, pp. 2107-2114, Vol. 57, No. 7.			
	R12	BOCCI, V. "The Oropharyngeal Delivery of Interferons: Where Are We and Where Do We Need to Go?" <i>Journal of Interferon and Cytokine Research</i> , 1999, pp. 859-861, Vol. 19.			

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Sheet	3	of	12	Application Number	10/500,351
				Filing Date	June 25, 2004
				First Named Inventor	Henry Daniell
				Group Art Unit	1638
				Examiner Name	
				Attorney Docket Number	CHL-T107C3Z1

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	R13	BOCKMAN DE et al. "Pinocytosis by epithelium associated with lymphoid follicles in the bursa of Fabricius, appendix, and Peyer's patches. An electron microscopic study" <i>American Journal of Anatomy</i> , April 1973, pp. 455-477, Vol. 136, No. 4.			T ²
	R14	BOUVET, J. P. et al. "Stimulation of local antibody production: parenteral or mucosal vaccination?" <i>Trends in Immunology</i> , April 2002, pp. 209-213, Vol. 23, No. 4.			
	R15	BOUVET, J. P. et al. "Diversity of Antibody-Mediated Immunity at the Mucosal Barrier" <i>Infection and Immunity</i> , June 1999, pp. 2687-2691, Vol. 67, No. 6.			
	R16	BRADLEY, K. A. et al. "Identification of the cellular receptor for anthrax toxin" <i>Nature</i> , November 8, 2001, pp. 225-229, Vol. 414.			
	R17	BROSSIER, F. et al. "Role of Toxin Functional Domains in Anthrax Pathogenesis" <i>Infection and Immunity</i> , April 2000, pp. 1781-1786, Vol. 68, No. 4.			
	R18	CÁRDENAS-FREYTAG, L. et al. "Effectiveness of a Vaccine Composed of Heat-Killed <i>Candida albicans</i> and a Novel Mucosal Adjuvant, LT(R192G), against Systemic Candidiasis" <i>Infection and Immunity</i> , February 1999, pp. 826-833, Vol. 67, No. 2.			
	R19	CASTAÑÓN, S. et al. "Immunization with Potato Plants Expressing VP60 Protein Protects against Rabbit Hemorrhagic Disease Virus" <i>Journal of Virology</i> , May 1999, pp. 4452-4455, Vol. 73, No. 5.			
	R20	CHAUHAN, V. et al. "Constitutive Expression of Protective Antigen Gene of <i>Bacillus anthracis</i> in <i>Escherichia coli</i> " <i>Biochemical and Biophysical Research Communications</i> , 2001, pp. 308-315, Vol. 283.			
	R21	CHO, M.-J. et al. "Production Of Transgenic Tall Fescue And Red Fescue Plants By Particle Bombardment Of Mature Seed-Derived Highly Regenerative Tissues" <i>Plant Cell Rep.</i> 2000, pp. 1084-1089.			
	R22	CHOI, A. H. C. et al. "Antibody-Independent Protection against Rotavirus Infection of Mice Stimulated by Intranasal Immunization with Chimeric VP4 or VP6 Protein" <i>Journal of Virology</i> , September 1999, pp. 7574-7581, Vol. 73, No. 9.			
	R23	CHOI, A. H. C. et al. "Functional Mapping of Protective Domains and Epitopes in the Rotavirus VP6 Protein" <i>Journal of Virology</i> , December 2000, pp. 11574-11580, Vol. 74, No. 24.			
	R24	CHONG C. et al. "LT(R192G), a non-toxic mutant of the heat-labile enterotoxin of <i>Escherichia coli</i> , elicits enhanced humoral and cellular immune responses associated with protection against lethal oral challenge with <i>Salmonella</i> spp." <i>Vaccine</i> , 1998, pp. 732-740, Vol. 16, No. 7.			

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Sheet	4	of	12	Application Number	10/500,351
				Filing Date	June 25, 2004
				First Named Inventor	Henry Daniell
				Group Art Unit	1638
				Examiner Name	
				Attorney Docket Number	CHL-T107C3Z1

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	R25	COULSON, N. M. et al. "Bacillus anthracis protective antigen, expressed in Salmonella typhimurium SL 3261, affords protection against anthrax spore challenge" <i>Vaccine</i> , November 1994, pp. 1395-1401, Vol.12, No. 15.			
	R26	CRAMER, C. L. et al. "Transgenic plants for therapeutic proteins: linking upstream and downstream strategies" <i>Current Topics Microbiol. Immunol.</i> , 1999, pp. 95-118, Vol. 240.			
	R27	CUMMINS, J. M. et al. "Oral Use of Interferon" <i>Journal of Interferon and Cytokine Research</i> , 1999, pp. 853-857, Vol. 19.			
	R28	DANIELL, H. "Foreign gene expression in chloroplasts of higher plants mediated by tungsten particle bombardment" <i>Methods Enzymol.</i> , 1993, pp. 536-556, Vol. 217.			
	R29	DANIELL, H. "Transformation and foreign gene expression in plants by microprojectile bombardment" <i>Methods Mol. Biol.</i> , 1997, pp. 463-489, Vol. 62.			
	R30	DANIELL, H. et al. "Containment of herbicide resistance through genetic engineering of the chloroplast genome" <i>Nature Biotechnology</i> , April 1998, pp. 345-348, Vol. 16, No. 4.			
	R31	DANIELL, H. et al. "Milestones in chloroplast genetic engineering: an environmentally friendly era in biotechnology" <i>Trends in Plant Science</i> , February 2002, pp. 84-91, Vol. 7, No. 2.			
	R32	DANIELL, H. et al. "Expression of the Native Cholera Toxin B Subunit Gene and Assembly as Functional Oligomers in Transgenic Tobacco Chloroplasts" <i>Journal of Mol. Biol.</i> , 2001, pp. 1001-1009, Vol. 311.			
	R33	DANIELL, H. et al. "Marker free transgenic plants: engineering the chloroplast genome without the use of antibiotic selection" <i>Curr. Genet.</i> , 2001, pp. 109-116, Vol. 39.			
	R34	DANIELL, H. et al. "Medical molecular farming: production of antibodies, biopharmaceuticals and edible vaccines in plants" <i>Trends in Plant Science</i> , May 2001, pp. 219-226, Vol. 6, No. 5.			
	R35	DANIELL, H. et al. "An efficient and prolonged in vitro translational system from isolated cucumber etioplasts" <i>Biochem. Biophys. Res. Commun.</i> , February 26, 1986, pp. 248-255, Vol. 135, No. 1.			
	R36	DANIELL, H. et al. "Uptake and expression of bacterial and cyanobacterial genes by isolated cucumber etioplasts" <i>Proc. Natl. Acad. Sci. USA</i> , September 1987, pp. 6349-6353, Vol. 84.			

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				Filing Date	June 25, 2004
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	R37	DANIELL, H. et al. "In vitro synthesis of photosynthetic membranes: I. Development photosystem I activity and cyclic photophosphorylation" <i>Biochem. Biophys. Res. Commun.</i> , March 16, 1983, pp. 740-749, Vol. 111, No. 2.			
	R38	DANIELL, H. et al. "Transient foreign gene expression in chloroplasts of cultured tobacco cells after biolistic delivery of chloroplast vectors" <i>Proc. Natl. Acad. Sci. USA</i> , January 1990, Vol. 87, No. 1.			
	R39	DANIELL, H. "Molecular strategies for gene containment in transgenic crops" <i>Nature Biotechnology</i> , June 2002, pp. 581-586, Vol. 20.			
	R40	DANIELL, H. et al. "Chloroplast culture. IX. Chlorophyll(ide) a biosynthesis in vitro rates higher than in vivo" <i>Biochem. Biophys. Res. Commun.</i> , May 31, 1982, pp. 466-470, Vol. 106, No. 2.			
	R41	DE COSA, B. et al. "Overexpression of the <i>Bt cry2 Aa2</i> operon in chloroplasts leads to formation of insecticidal crystals" <i>Nature Biotechnology</i> , January 2001, pp. 71-74, Vol. 19.			
	R42	DE GRAY, G. et al. "Expression of an Antimicrobial Peptide via the Chloroplast Genome to Control Phytopathogenic Bacteria and Fungi" <i>Plant Physiology</i> , November 2001, pp. 852-862, Vol. 127.			
	R43	DIXON, T. C. et al. "Anthrax" <i>The New England Journal of Medicine</i> , September 9, 1999, pp. 815-826, Vol. 341, No. 11.			
	R44	DRUM, C. L. et al. "Structural basis for the activation of anthrax adenylyl cyclase exotoxin by calmodulin" <i>Nature</i> , January 24, 2002, pp. 396-402, Vol. 415.			
	R45	EDWARDS, K. et al. "A simple and rapid method for the preparation of plant genomic DNA for PCR analysis" <i>Nucleic Acids Research</i> , January 2, 1991, pp. 1349, Vol. 19, No. 6.			
	R46	EYLES, J. E. et al. "Analysis of local and systemic immunological responses after intra-tracheal, intra-nasal and intra-muscular administration of microsphere co-encapsulated <i>Yersinia pestis</i> sub-unit vaccines" <i>Vaccine</i> , 1998, pp. 2000-2009, Vol. 16, No. 20.			
	R47	EYLES, J. E. et al. "Generation of protective immune responses to plague by mucosal administration of microsphere coencapsulated recombinant subunits" <i>Journal of Controlled Release</i> , 2000, pp. 191-200, Vol. 63.			
	R48	FANG, Y.D. et al. "Agrobacterium-mediated barley (<i>Hordeum vulgare</i> L.) transformation using green fluorescent protein as a visual marker and sequence analysis of the T-DNA: barley genomic DNA junctions", <i>J Plant Physiol</i> , 2002, pp.1131-1138, Vol. 159.			

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	R49	FREYTAG, L. C. et al. "Bacterial toxins as mucosal adjuvants" <i>Curr. Top. Microbiol. Immunol.</i> , 1999, pp. 215-236, Vol. 236.			
	R50	GE, B. et al. "Differential effects of helper proteins encoded by the <i>cry2A</i> and <i>cry11A</i> operons on the formation of Cry2A inclusions in <i>Bacillus thuringiensis</i> " <i>FEMS Microbiology Letters</i> , 1998, pp. 35-41, Vol. 165.			
	R51	GERBER, S. et al. "Human Papillomavirus Virus-Like Particles Are Efficient Oral Immunogens when Coadministered with <i>Escherichia coli</i> Heat-Labile Enterotoxin Mutant R192G or CpG DNA" <i>Journal of Virology</i> , May 2001, pp. 4752-4760, Vol. 75, No. 10.			
	R52	GU, M. L. et al. "Protection against anthrax toxin by vaccination with a DNA plasmid encoding anthrax protective antigen" <i>Vaccine</i> , 1999, pp. 340-344, Vol. 17.			
	R53	GUILLOBEL, H. C. et al. "Adjuvant Activity of a Nontoxic Mutant of <i>Escherichia coli</i> Heat-Labile Enterotoxin on Systemic and Mucosal Immune Responses Elicited against a Heterologous Antigen Carried by a Live <i>Salmonella enterica</i> Serovar Typhimurium Vaccine Strain" <i>Infection and Immunity</i> , July 2000, pp. 4349-4353, Vol. 68, No. 7.			
	R54	HANNA, P. C. et al. "On the role of macrophages in anthrax" <i>Proc. Natl. Acad. Sci. USA</i> , November 1993, pp. 10198-10201, Vol. 90.			
	R55	HAQ, T. A. et al. "Oral immunization with a recombinant bacterial antigen produced in transgenic plants" <i>Science</i> , May 5, 1995, pp. 714-716, Vol. 268, No. 5211.			
	R56	HEATH, D. G. et al. "Protection against experimental bubonic and pneumonic plague by a recombinant capsular F1-V antigen fusion protein vaccine" <i>Vaccine</i> , July 1998, pp. 1131-1137, Vol. 16, No. 11-12.			
	R57	HILL, J. et al. "Region of <i>Yersinia pestis</i> V Antigen that Contribute to Protection against Plague Identified by Passive and Active Immunization" <i>Infection and Immunity</i> , November 1997, pp. 4476-4482, Vol. 65, No. 11.			
	R58	HOLMGREN, J. et al. "Cholera toxin in cholera B subunit as oral-mucosal adjuvant and antigen vector systems" <i>Vaccine</i> , September 1993, pp. 1179-1184, Vol. 11, No. 12.			
	R59	INGLESBY, T. V. MD et al. "Anthrax as a Biological Weapon" <i>JAMA</i> , May 12, 1999, pp. 1735-1745, Vol. 281, No. 18.			
	R60	IVINS, B. et al. "Experimental anthrax vaccines: efficacy of adjuvants combined with protective antigen against an aerosol <i>Bacillus anthracis</i> spore challenge in guinea pigs" <i>Vaccine</i> , 1995, pp. 1779-1784, Vol. 13, No. 18.			

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Filing Date	June 25, 2004
First Named Inventor	Henry Daniell
Group Art Unit	1638
Examiner Name	

Attorney Docket Number CHL-T107C3Z1

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	R61	IVINS, B. et al. "Comparative Efficacy of Experimental Anthrax Vaccine Candidate Against Inhalation Anthrax in Rhesus Macaques" <i>Vaccine</i> , 1998, pp. 1141-1148, Vol. 16, No. 11-12.	
	R62	JONES, S. M. et al. "Protection conferred by a fully recombinant sub-unit vaccine against <i>Yersinia pestis</i> in male and female mice of four inbred strains" <i>Vaccine</i> , 2001, pp. 358-366, Vol. 19.	
	R63	KAPUSTA, J. et al. "A plant-derived edible vaccine against hepatitis B virus" <i>FASEB J.</i> , 1999, pp. 1796-1799, Vol. 13.	
	R64	KAUFMANN, A. F. et al. "The economic impact of a bioterrorist attack: are prevention and postattack intervention programs justifiable?" <i>Emerging Infectious Disease</i> , 1997, pp. 83-94, Vol. 3, No. 2.	
	R65	KLIMPEL, K. R. et al. "Anthrax toxin protective antigen is activated by a cell surface protease with the sequence specificity and catalytic properties of furin" <i>Proc. Natl. Acad. Sci. USA</i> , November 1992, pp. 10277-10281, Vol. 89.	
	R66	KOO, M. et al. "Protective immunity against murine hepatitis virus (MHV) induced by intranasal or subcutaneous administration of hybrids of tobacco mosaic virus that carries an MHV epitope" <i>Proc. Natl. Acad. Sci. USA</i> , July 1999, pp. 7774-7779, Vol. 96.	
	R67	KOTA, M. et al. "Overexpression of the <i>Bacillus thuringiensis</i> (Bt) Cry2Aa2 protein in chloroplasts confers resistance to plants against susceptible and Bt-resistant insects" <i>Proc. Natl. Acad. Sci. USA</i> , March 1999, pp. 1840-1845, Vol. 96.	
	R68	KOTLOFF, K. L. et al. "Safety and Immunogenicity of Oral Inactivated Whole-Cell <i>Helicobacter pylori</i> Vaccine with Adjuvant among Volunteers with or without Subclinical Infection" <i>Infection and Immunity</i> , June 2001, pp. 3581-3590, Vol. 69, No. 6.	
	R69	KUSNADI, A. et al. "Production of Recombinant Proteins in Transgenic plants: Practical Considerations" <i>Biotechnology and Bioengineering</i> , 1997, pp. 473-484, Vol. 56, No. 5.	
	R70	LEARY, S. E. C. et al. "Expression of an F1/V fusion protein in attenuated <i>Salmonella typhimurium</i> and protection of mice against plague" <i>Microbial Pathogenesis</i> , 1997, pp. 167-179, Vol. 23.	
	R71	LENCER, W. I. et al. "Transcytosis of cholera toxin subunits across model human intestinal epithelia" <i>Proc. Natl. Acad. Sci. USA</i> , October 1995, pp. 10094-10098, Vol. 92.	
	R72	LEPPLA S. H. et al. "Development of an improved vaccine for anthrax" <i>J. Clin. Invest.</i> , 2002, pp. 141-144, Vol. 109.	

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				Filing Date	June 25, 2004
				First Named Inventor	Henry Daniell
				Group Art Unit	1638
				Examiner Name	
				Attorney Docket Number	CHL-T107C3Z1

NON PATENT LITERATURE DOCUMENTS

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	R73	MASON, H. S. et al. "Expression of Norwalk virus capsid protein in transgenic tobacco and potato and its oral immunogenicity in mice" <i>Proc. Natl. Acad. Sci. USA</i> , May 1996, pp. 5335-5340, Vol. 93.	
	R74	MASON H. S. et al. "Edible vaccine protects mice against <i>Escherichia coli</i> heat-labile enterotoxin (LT): potatoes expressing a synthetic LT-B gene" <i>Vaccine</i> , 1998, pp. 1336-1343, Vol. 16, No. 13.	
	R75	MATHIOWITZ, E. et al. "Biologically erodable microspheres as potential oral drug delivery systems" <i>Nature</i> , March 27, 1997, pp. 410-414, Vol. 386, No. 6623.	
	R76	MCBRIDE, K. E. et al. "Amplification of a chimeric <i>Bacillus</i> gene in chloroplasts leads to extraordinary level of an insecticidal protein in tobacco" <i>Biotechnology</i> , April 1995, pp. 362-365, Vol. 13, No. 4.	
	R77	MCCLUSKIE, M. J. et al. "Mucosal immunization of mice using CpG DNA and/or mutants of the heat-labile enterotoxin of <i>Escherichia coli</i> as adjuvants" <i>Vaccine</i> , 2001, pp. 3759-3768, Vol. 19.	
	R78	MCNEAL, M. M. et al. "Antibody-Dependent and -Independent Protection following Intranasal Immunization of Mice with Rotavirus Particles" <i>Journal of Virology</i> , September 1999, pp. 7565-7573, Vol. 73, No. 9.	
	R79	MMWR, et al. "Use of anthrax vaccine in the United States" <i>Recommendations of the Advisory Committee on Immunization Practices</i> , December 15, 2000, pp. 1-20, Vol. 49, No. RR15.	
	R80	MOLLOY, S. S. et al. "Human Furin Is a Calcium-dependent Serine Endoprotease That Recognizes the Sequence Arg-X-X-Arg and Efficiently Cleaves Anthrax Toxin Protective Antigen" <i>The Journal of Biological Chemistry</i> , August 15, 1992, pp. 16396-16402, Vol. 267, No. 23.	
	R81	MOR, T. S. et al. "Perspective: edible vaccines – a concept coming of age" <i>Trends in Microbiology</i> , November 1998, pp. 449-453, Vol. 6, No. 11.	
	R82	MORIYA, O. et al. "Induction of hepatitis C virus-specific cytotoxic T lymphocytes in mice by immunization with dendritic cells treated with an anthrax toxin fusion protein" <i>Vaccine</i> , 2002, pp. 789-796, Vol. 20.	
	R83	MORRIS, C. B. et al. "Effectiveness of intranasal immunization with HIV-gp160 and an HIV-1 Env CTL epitope (E7) in combination with the mucosal adjuvant LT(R192G)" <i>Vaccine</i> , 2000, pp. 1944-1951, Vol. 18.	
	R84	NICOLSON, G. et al. "Anthrax Vaccine: Controversy Over Safety and Efficacy", <i>Antimicrobics and Infectious Diseases Newsletter</i> , 2000, pp. 1-6, Vol. 1.	

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	R85	O'NEAL, C. M. et al. "Rotavirus 2/6 Viruslike Particles Administered Intranasally with Cholera Toxin, <i>Escherichia coli</i> Heat-Labile Toxin (LT), and LT-R192G Induce Protection from Rotavirus Challenge" <i>Journal of Virology</i> , April 1998, pp. 3390-3393, Vol. 72, No. 4.	
	R86	OWEN, R. L. et al. "M cell transport of <i>Vibrio cholerae</i> from the intestinal lumen into Peyer's patches: a mechanism for antigen sampling and for microbial transepithelial migration" <i>J. Infect. Dis.</i> , June 1986, pp. 1108-1118, Vol. 153, No. 6.	
	R87	OYSTON, P. C. et al. "An aroA mutant of <i>Yersinia pestis</i> is attenuated in guinea-pigs, but virulent in mice" <i>Microbiology</i> , July 1996, pp. 1847-1853, Vol. 142, Pt. 7.	
	R88	PANNIFER, A. D. et al. "Crystal structure of the anthrax lethal factor" <i>Nature</i> , November 8, 2001, pp. 229-233, Vol. 414.	
	R89	PETOSA C. et al. "Crystal structure of the anthrax toxin protective antigen" <i>Nature</i> , February 27, 1997, pp. 833-838, Vol. 385, No. 6619.	
	R90	PEZARD, C. et al. "Protective Immunity Induced by <i>Bacillus anthracis</i> Toxin-Deficient Strains" <i>Infection and Immunity</i> , April 1995, pp. 1365-1372, Vol. 63, No. 4.	
	R91	PRICE, B. M. et al. "Protection against Anthrax Lethal Toxin Challenge by Genetic Immunization with a Plasmid Encoding the Lethal Factor Protein" <i>Infection and Immunity</i> , July 2001, pp. 4509-4515, Vol. 69, No. 7.	
	R92	PURVIS, I. J. et al. "The efficiency of folding of some proteins increased by controlled rates of translation in vivo" <i>J. Mol. Biol.</i> , January 20, 1987, pp. 413-417, Vol. 193, No. 2.	
	R93	RAMIREZ, D. M. et al. "Production, recovery and immunogenicity of the protective antigen from a recombinant strain of <i>Bacillus anthracis</i> " <i>Journal of Industrial Microbiology & Biotechnology</i> , 2002, pp. 232-238, Vol. 28.	
	R94	RUF, S. et al. "Stable genetic transformation of tomato plastids and expression of a foreign protein in fruit" <i>Nature Biotechnology</i> , September 2001, pp. 870-875, Vol. 19.	
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	R96	RYAN, E. T. et al. "In Vivo Expression and Immunoadjuvancy of a Mutant of Heat-Labile Enerotoxin of <i>Escherichia coli</i> in Vaccine and Vector Strains of <i>Vibrio cholerae</i> " <i>Infection and Immunity</i> , April 1999, pp. 1694-1701, Vol. 67, No. 4.	

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	R97	SABHNANI, L. et al. "Identification of immunodominant epitope of F1 antigen of <i>Yersinia pestis</i> " <i>FEMS Immunology and Medical Microbiology</i> , 2000, pp. 155-162, Vol. 27.			T ²
	R98	SANFORD, J. C. et al. "Optimizing the biolistic process for different biological applications" <i>Methods Enzymol.</i> , 1993, pp. 483-509, Vol. 217.			
	R99	SCHARTON-KERSTEN, T. et al. "Transcutaneous Immunization with Bacterial ADP-Ribosylating Exotoxins, Subunits, and Unrelated Adjuvants" <i>Infection and Immunity</i> , September 2000, pp. 5306-5313, Vol. 68, No. 9.			
	R100	SESTAK, K. et al. "Active immunity and T-cell populations in pigs intraperitoneally inoculated with baculovirus-expressed transmissible gastroenteritis virus structural proteins" <i>Vet. Immunol. Immunopathol.</i> , September 20, 1999, pp. 203-221, Vol. 70.			
	R101	SIDOROV, V. A. et al. "Stable chloroplast transformation in potato: use of green fluorescent protein as a plastid marker" <i>The Plant Journal</i> , 1999, pp. 209-216, Vol. 19, No. 2.			
	R102	SINGH, Y. et al. "Study of Immunization against Anthrax with the Purified Recombinant Protective Antigen of <i>Bacillus anthracis</i> " <i>Infection and Immunity</i> , July 1998, pp. 3447-3448, Vol. 66, No. 7.			
	R103	STAUB, J. M. et al. "High-yield production of a human therapeutic protein in tobacco chloroplasts" <i>Nature Biotechnology</i> , March 2000, pp. 333-338, Vol. 18.			
	R104	STRALEY, S. C. et al. "Virulence genes regulated at the transcriptional level by Ca+2 in <i>Yersinia pestis</i> include structural genes for outer membrane proteins" <i>Infect. Immun.</i> , 1996, pp. 445-454, Vol. 51.			
	R105	STREATFIELD, S. J. et al. "Plant-based vaccines: unique advantages" <i>Vaccine</i> , 2001, pp. 2742-2748, Vol. 19.			
	R106	SVAB, Z. et al. "High-frequency plastid transformation in tobacco by selection for a chimeric <i>aadA</i> gene" <i>Proc. Natl. Acad. Sci. USA</i> , February 1993, pp. 913-917, Vol. 90.			
	R107	TACKET, C. O. et al. "Safety of Live Oral <i>Salmonella typhi</i> Vaccine Strains with Deletions in <i>htrA</i> and <i>aroC aroD</i> and Immune Response in Humans" <i>Infection and Immunity</i> , February 1997, pp. 452-456, Vol. 65, No. 2.			
	R108	TACKET, C. O. et al. "Immunogenicity in humans of a recombinant bacterial antigen delivered in a transgenic potato" <i>Nat. Med.</i> May 1998, pp. 607-609, Vol. 4, No. 5.			

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	R109	TITBALL, R. W. et al. "Vaccination against bubonic and pneumonic plague" <i>Vaccine</i> , 2001, pp. 4175-4184, Vol. 19.	
	R110	TUBOLY, T. et al. "Immunogenicity of porcupine transmissible gastroenteritis virus spike protein expressed in plants" <i>Vaccine</i> , 2000, pp. 2023-2028, Vol. 18.	
	R111	TUMPEY, T. M. et al. "Mucosal Delivery of Inactivated Influenza Vaccine Induces B-Cell-Dependent Heterosubtypic Cross-Protection against Lethal Influenza A H5N1 Virus Infection" <i>Journal of Virology</i> , June 2001, pp. 5141-5150, Vol. 75, No. 11.	
	R112	VARSHNEY, A. et al. "Stable transformation and tissue culture response in current European winter wheat germplasm" <i>Mol. Breeding</i> , 2001, pp. 295-309, Vol. 8.	
	R113	VASIL, I. K. et al. "Evaluation of baking properties and gluten protein composition of field grown transgenic wheat lines expressing high molecular weight glutenin gene 1Ax1" <i>J. Plant Physiol</i> 2001, pp. 521-528, Vol. 158.	
	R114	WALMSLEY, A. M. et al. "Plants for delivery of edible vaccines" <i>Curr. Opin. Biotechnol.</i> April 2000, pp. 126-129, Vol. 11, No. 2.	
	R115	WESCHE, J. et al. "Characterization of Memberne Translocation by Anthrax Protective Antigen", <i>Biochemistry</i> , 1998, pp. 15737-15746, Vol. 37.	
	R116	WILLIAMSON, E. et al. "Modulating Dendritic Cells to Optimize Mucosal Immunization Protocols" <i>Journal of Immunology</i> , 1999, pp. 3668-3675, Vol. 163.	
	R117	WILLIAMSON, E. D. et al. "A sun-unit vaccine elicits IgG in serum, spleen cell cultures and bronchial washings and protects immunized animals against pneumonic plague" <i>Vaccine</i> , 1997, pp. 1079-1084, Vol. 15, No. 10.	
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	12	of	12	Application Number	10/500,351
				Filing Date	June 25, 2004
				First Named Inventor	Henry Daniell
				Group Art Unit	1638
				Examiner Name	
				Attorney Docket Number	CHL-T107C3Z1

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	R121	XU, J. et al. "Dissection of RNA-mediated ryegrass mosaic virus resistance in fertile transgenic perennial ryegrass (<i>Lolium perenne L.</i>)" <i>The Plant Journal</i> , 2001, pp. 265-274, Vol. 26, No. 3.		
	R122	YE, G. N. et al. "Optimization of delivery of foreign DNA into higher-plant chloroplasts" <i>Plant Mol. Biol.</i> , December 1990, pp. 809-819, Vol. 15, No. 6.		
	R123	YU, J. et al. "A plant-based multicomponent vaccine protects mice from enteric diseases" <i>Nature Biotechnology</i> , June 2001, pp. 548-552, Vol. 19.		
	R124	YUAN, L. et al. "Intranasal Administration of 2/6-Rotavirus-Like Particles with Mutant <i>Escherichia coli</i> Heat-Labile Toxin (LT-R192G) Induces Antibody-Secreting Cell Responses but Not Protective Immunity in Gnotobiotic Pigs" <i>Journal of Virology</i> , October 2000, pp. 8843-8853, Vol. 74, No. 19.		
	R125			
	R126			
	R127			
	R128			
	R129			
	R130			
	R131			
	R132			

Examiner Signature	Date Considered
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